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IN THE  
UNITED STATES  
PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Ucan  
CASE: OST-031242  
SERIAL NO.: 10/708,343  
FILED ON: February 25, 2004  
FOR: SENSOR DEVICE ON A FEED  
PIPELINE CARRYING HIGH  
VOLTAGE

STATEMENT OF  
BASIS FOR  
RELEVANCE OF  
FOREIGN  
LANGUAGE  
DOCUMENTS  
IDENTIFIED IN  
SUBMITTED PTO-  
1449

COMMISSIONER  
FOR PATENTS  
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ATTENTION OF:

EXAMINER:

Dear Sir:

If any charges or fees must be paid in connection with the following communication, they may be paid out of our Deposit Account No. 50-0545.

| <u>Publication Number</u> | <u>Publication Date</u> | <u>Basis for Relevance</u>  |
|---------------------------|-------------------------|---|
| EP 1 319 439 A1           | December 9, 2002        | Magneto-optical sensor arrangement for detecting the position or movement of a scraper or other such moving body (12) beneath a high voltage component in a coating plant. Accordingly the polarization direction of linearly polarized light waves is changed due to the magnetic field sensed by a sensor element (15) that detects the signals of a magnetic signal element (14) attached to the moving body by use of the Faraday or Kerr effects. The resultant light signals are transmitted over an optical fiber (16) to a remote electronic analysis device. |

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|                  |                   |  |
|------------------|-------------------|--|
| DE 197 38 097 C2 | January 27, 2000  | The method involves measuring the earth leakage current in the powder discharged from the spray devices (66). The current level is used as a measure for controlling the extraction equipment. Several units may be coupled together for control and measurement over a bus network.   |
| DE 44 06 046 C2  | November 20, 1997 | A speed measurement arrangement measures the speed of the gas-powder mixture in the supply line. A mass measurement arrangement measures the mass per unit vol. in a section of the supply line. A computer derives the powder mass flow from the measured speed, the measured mass per unit vol. and the dimensions of the supply line. The speed measurement arrangement has two electrodes arranged at a distance apart along the supply line which detect charge variations on the line caused by the powder-gas mixture, from which the speed is derived. The mass measurement arrangement contains a microwave resonator (36) which detects a change in dielectric constant and/or microwave absorption in a resonant vol. of the supply line (10) as a change in the microwave amplitude or resonant frequency, from which the quantity of powder in the resonant vol. is derived.                          |
| DE 44 05 662 A1  | February 2, 1995  | The system includes an electrically isolated electrically less-conductive component fluid-flow course and an electrically-grounded electrically more-conductive component fluid-flow course. The electrically more-conductive component fluid-flow course may be additionally electrically isolated at the preference of an operator. A mixer is positioned proximal to an electrostatic spray gun, with a conduit holding alternating segments of electrically more-conductive component and electrically less-conductive component. The alternating segments function in series to additively provide a combined resistance which electrically blocks the high-voltage potential generated at the electrostatic spray gun. This, in turn, effectively isolates the electrically more-conductive component fluid-flow course and electrically less-conductive fluid-flow course from the high-voltage potentials. |

DE 39 01 891 A1

July 26, 1990

The electrostatic field strength monitor detects the electrostatic field between a HV spray electrode (14) (12) and the earthed workpiece to be coated. The voltage at the spray electrode (12) or a proportional voltage is applied to a parallel circuit (13) comprising a capacitor (13a) and a light bulb (13b) comprising a capacitor (13a) and a light bulb (13b) with the optical signal provided by the latter fed via an optical fibre coupling (14) to an optoelectrical converter (15). This provides an electrical signal (15a) for a display and/or a switch element and/or a regulator. Pref. the parallel circuit (13) lies between a sensor electrode (16), spaced from the spray electrode (12) on earth.

EP 1 232 799 A2

February 6, 2002

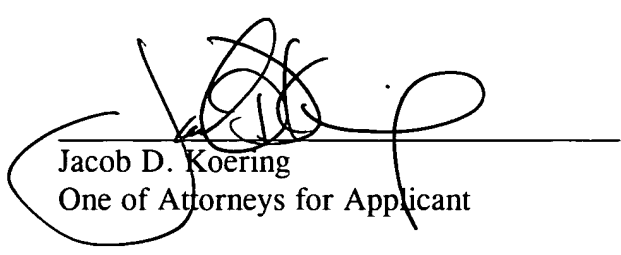
The spray device has at least one separation point (T1, T2, T3) for removal of a part (1,2,3) of the spray device incorporating control or signaling devices (MV, HNS) coupled to incorporated electrical lines (5, 5'), with an electrical coupling device (IK) for the latter provided at the separation point. The electrical coupling device uses inductive coils embedded in the cooperating parts of the spray device and aligned with one another when the parts of the spray device are assembled.

Should anything further be required, a telephone call to the undersigned at (312) 226-1818 is respectfully invited.

Respectfully submitted,

FACTOR & LAKE, LTD.

Dated: July 1, 2004

  
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Jacob D. Koering  
One of Attorneys for Applicant

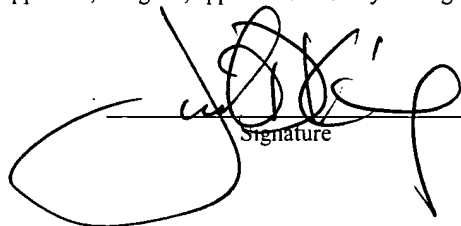


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Jacob D. Koering

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|   |   |    |   | Application Number       | 10/708,343 |
|   |   |    |   | Filing Date              | 02/25/2004 |
|   |   |    |   | First Named Inventor     | Ucan       |
|   |   |    |   | Art Unit                 |            |
|   |   |    |   | Examiner Name            |            |
| Sheet   | 1 | of | 1 | Attorney Docket Number   | OST-031242 |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
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| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                          |                       | EP 1 319 439 A1   | 12/09/2002                     | Duerr Systems GmbH                                 |   |                |
|                          |                       | DE 197 38 097 C2  | 01/27/2000                     | Wagner Int AG                                      |   |                |
|                          |                       | DE 44 06 046 C2   | 11/20/1997                     | Wagner Int AG                                      |   |                |
|                          |                       | DE 44 05 662 A1   | 02/02/1995                     | Feitel A; Graco Inc.                               |   |                |
|                          |                       | DE 39 01 891 A1   | 07/26/1990                     | Wagner Int AG                                      |   |                |
|                          |                       | EP 1 232 799 A2   | 02/06/2002                     | Duerr Systems GmbH                                 |   |                |
|                          |                       |   |                                |  |   |                |
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